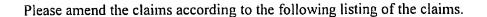
U.S. Appln. No. 10/593,708

Atty. Docket No.: 8369.032.US0000

## Amendments to the claims



- 1. (Canceled)
- 2. (Canceled)
- 3. (Canceled)
- 4. (Canceled)
- 5. (Canceled)
- 6. (Canceled)
- 7. (Canceled)
- 8. (Canceled)
- 9. (Canceled)
- 10. (Canceled)
- 11. (Canceled)
- 12. (Canceled)
- 13. (Canceled)
- 14. (Canceled)
- 15. (Canceled)
- 16. (Canceled)
- 17. (Canceled)
- 18. (New) A module for interrupting at least one electrical circuit of a unit of a motor vehicle in an overload condition, comprising:
- a housing mountable on said vehicle having input means operatively connectable to said circuit and output means;
  - a fuse disposed in said housing electrically connected to said input means; and

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an analog/digital converter disposed in said housing electrically interconnecting said fuse and said output means.

- 19. (New) A module according to claim 18 including a processor disposed in said housing operatively interconnecting said analog/digital converter and said output means.
- 20. (New) A module according to claim 19 including means disposed in said housing for sensing temperature in the vicinity of said fuse, operatively connected to said processor for compensation purposes.
- 21. (New) A module according to claim 18 wherein said input means is connectable to one of a group consisting of control and function devices.
- 22. (New) A module according to claim 18 wherein said output means is connectable to a data bus.
- 23. (New) A module according to claim 18 wherein said input means of said housing is insertable in a socket provided on said vehicle.
- 24. (New) A system comprising:
- at least one of a group consisting of electrically operable control and function devices mounted on a motor vehicle;
- a module providing a housing mounted on said vehicle, having an input operatively connectable to said one device, and an output;
  - a fuse disposed in said housing electrically connected to said input means;
- an analog/digital converter disposed in said housing electrically interconnecting said analog/digital converter and said output; and
  - a data bus operatively connecting said output and a remote processor.